

SEQUENCE LISTING

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<120> Materials and Methods for Inductions of Immune Tolerance

<130> 0380-P03549US0

<140> US 10/519,044

<141> 2005-09-02

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<160> 171

<170> PatentIn version 3.1

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<212> PRT

<213> Epstein-Barr virus

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Arg	Gly	Pro	Pro												
				20											

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Glu	Arg	Gly	Pro	Pro	Gly	Pro	Arg	Arg	Pro	Pro	Arg	Gly	Pro	Pro	Leu
1				5					10					15	
Ser	Ser	Ser	Leu												
				20											

<210> 3

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<213> Epstein-Barr virus

<400> 3

Gly	Pro	Arg	Arg	Pro	Pro	Arg	Gly	Pro	Pro	Leu	Ser	Ser	Ser	Leu	Gly
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Leu	Ala	Leu	Leu												
				20											

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<213> Epstein-Barr virus

<400> 4

Pro Arg Gly Pro Pro Leu Ser Ser Ser Leu Gly Leu Ala Leu Leu Leu
1 5 10 15
Leu Leu Leu Ala
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<213> Epstein-Barr virus

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Leu Ser Ser Ser Leu Gly Leu Ala Leu Leu Leu Leu Leu Ala Leu
1 5 10 15
Leu Phe Trp Leu
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<213> Epstein-Barr virus

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Gly Leu Ala Leu Leu Leu Leu Leu Leu Ala Leu Leu Phe Trp Leu Tyr
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Ile Val Met Ser
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<213> Epstein-Barr virus

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Trp Thr Gly Gly
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<213> Epstein-Barr virus

<400> 8

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Tyr Ile Val Met Ser Asp Trp Thr Gly Gly Ala Leu Leu Val Leu Tyr
1 5 10 15
Ser Phe Ala Leu

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Asp Trp Thr Gly Gly Ala Leu Leu Val Leu Tyr Ser Phe Ala Leu Met
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Leu Ile Ile Ile
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<400> 11
Ala Leu Leu Val Leu Tyr Ser Phe Ala Leu Met Leu Ile Ile Ile Ile
1 5 10 15
Leu Ile Ile Phe
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Tyr Ser Phe Ala Leu Met Leu Ile Ile Ile Ile Leu Ile Ile Phe Ile
1 5 10 15
Phe Arg Arg Asp
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Met Leu Ile Ile Ile Ile Leu Ile Ile Phe Ile Phe Arg Arg Asp Leu
1 5 10 15
Leu Cys Pro Leu
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Ala Leu Cys Ile
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Gly Ala Leu Cys Ile Leu Leu Leu Met Ile Thr Leu Leu Leu Ile Ala
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Leu Trp Asn Leu
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Leu Leu Leu Met Ile Thr Leu Leu Leu Ile Ala Leu Trp Asn Leu His
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Gly Gln Ala Leu
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<213> Epstein-Barr virus

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Thr Leu Leu Leu Ile Ala Leu Trp Asn Leu His Gly Gln Ala Leu Phe
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Leu Gly Ile Val
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<212> PRT

<213> Epstein-Barr virus

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Ala Leu Trp Asn Leu His Gly Gln Ala Leu Phe Leu Gly Ile Val Leu
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1 5 10 15
Leu Leu Val Leu
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Phe Leu Gly Ile Val Leu Phe Ile Phe Gly Cys Leu Leu Val Leu Gly
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Ile Trp Ile Tyr
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Leu Phe Ile Phe Gly Cys Leu Leu Val Leu Gly Ile Trp Ile Tyr Leu
1 5 10 15
Leu Glu Met Leu
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Cys Leu Leu Val Leu Gly Ile Trp Ile Tyr Leu Leu Glu Met Leu Trp
1 5 10 15
Arg Leu Gly Ala
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<400> 25
Gly Ile Trp Ile Tyr Leu Leu Glu Met Leu Trp Arg Leu Gly Ala Thr
1 5 10 15
Ile Trp Gln Leu
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<213> Epstein-Barr virus

<400> 26

Leu Leu Glu Met Leu Trp Arg Leu Gly Ala Thr Ile Trp Gln Leu Leu
1 5 10 15
Ala Phe Phe Leu
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<213> Epstein-Barr virus

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Trp Arg Leu Gly Ala Thr Ile Trp Gln Leu Leu Ala Phe Phe Leu Ala
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Phe Phe Leu Asp
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<212> PRT

<213> Epstein-Barr virus

<400> 28

Thr Ile Trp Gln Leu Leu Ala Phe Phe Leu Ala Phe Phe Leu Asp Leu
1 5 10 15

Ile Leu Leu Ile
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<210> 29

<211> 20

<212> PRT

<213> Epstein-Barr virus

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Leu Ala Phe Phe Leu Ala Phe Phe Leu Asp Leu Ile Leu Leu Ile Ile
1 5 10 15
Ala Leu Tyr Leu
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<212> PRT

<213> Epstein-Barr virus

<400> 30

Ala Phe Phe Leu Asp Leu Ile Leu Leu Ile Ile Ala Leu Tyr Leu Gln
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Gln Asn Trp Trp
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<210> 31

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<212> PRT

<213> Epstein-Barr virus

<400> 31

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Leu Leu Val Asp

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<400> 32
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Leu Trp Leu Leu
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<400> 33
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Phe Leu Ala Ile
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<400> 34
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Ile Trp Met Tyr
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Ser Asp Glu His
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<400> 37

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His Asp Asp Ser
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<400> 38

Tyr His Gly Gln Arg His Ser Asp Glu His His His Asp Asp Ser Leu
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Pro His Pro Gln
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<400> 39

His Ser Asp Glu His His His Asp Asp Ser Leu Pro His Pro Gln Gln
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Gly His Glu Ser
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<400> 41

Leu Pro His Pro Gln Gln Ala Thr Asp Asp Ser Gly His Glu Ser Asp
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Ser Asn Ser Asn
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<213> Epstein-Barr virus

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Gln Ala Thr Asp Asp Ser Gly His Glu Ser Asp Ser Asn Ser Asn Glu
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Gly Arg His His
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<400> 43
Ser Gly His Glu Ser Asp Ser Asn Ser Asn Glu Gly Arg His His Leu
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Leu Val Ser Gly
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Asp Ser Asn Ser Asn Glu Gly Arg His His Leu Leu Val Ser Gly Ala
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Gly Asp Gly Pro
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<400> 45
Glu Gly Arg His His Leu Leu Val Ser Gly Ala Gly Asp Gly Pro Pro
1 5 10 15
Leu Cys Ser Gln
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<400> 46
Leu Leu Val Ser Gly Ala Gly Asp Gly Pro Pro Leu Cys Ser Gln Asn
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Leu Gly Ala Pro
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<210> 47
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<400> 47
Ala Gly Asp Gly Pro Pro Leu Cys Ser Gln Asn Leu Gly Ala Pro Gly
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Gly Gly Pro Asp
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<400> 48
 Pro Leu Cys Ser Gln Asn Leu Gly Ala Pro Gly Gly Gly Pro Asp Asn
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 Gly Pro Gln Asp
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<400> 49
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 Asp Asn Thr Asp
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<400> 50
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 Asn Gly Pro Gln
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 Pro Asp Asn Thr
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Gln Asp Pro Asp
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Thr Asp Asp Asn
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<400> 58
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Pro His Asp Pro
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 Pro His Ser Pro
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<400> 61
 Gly Pro His Asp Pro Leu Pro His Ser Pro Ser Asp Ser Ala Gly Asn
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 Asp Gly Gly Pro
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<400> 62
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 Gln Leu Thr Glu
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<400> 63
 Ser Ser Gly Ser Gly Gly Asp Asp Asp Asp Pro His Gly Pro Val Gln
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 Leu Ser Tyr Tyr Asp
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<400> 64
 Ser Asp Ser Ala Gly Asn Asp Gly Gly Pro Pro Gln Leu Thr Glu Glu
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 Val Glu Asn Lys
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Asn Asp Gly Gly Pro Pro Gln Leu Thr Glu Glu Val Glu Asn Lys Gly
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Gly Asp Gln Gly
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Pro Gln Leu Thr Glu Glu Val Glu Asn Lys Gly Gly Asp Gln Gly Pro
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Pro Leu Met Thr
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Glu Val Glu Asn Lys Gly Gly Asp Gln Gly Pro Pro Leu Met Thr Asp
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Gly Gly Gly Gly
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Gly Gly Asp Gln Gly Pro Pro Leu Met Thr Asp Gly Gly Gly Gly His
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Ser His Asp Ser
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Pro Pro Leu Met Thr Asp Gly Gly Gly Gly His Ser His Asp Ser Gly
1 5 10 15
His Gly Gly Gly
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Asp Gly Gly Gly Gly His Ser His Asp Ser Gly His Gly Gly Asp

1 5 10 15
 Pro His Leu Pro
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<400> 71
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 Leu Leu Leu Gly
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 Gly His Gly Gly Gly Asp Pro His Leu Pro Thr Leu Leu Leu Gly Ser
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<400> 73
 Asp Pro His Leu Pro Thr Leu Leu Leu Gly Ser Ser Gly Ser Gly Gly
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 His Gly Pro Val
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 Ser Asp Glu His
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Met Gly Ser Leu Glu Met Val Pro Met Gly Ala Gly Pro Pro Ser Pro
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Gly Gly Asp Pro
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<400> 77
Met Val Pro Met Gly Ala Gly Pro Pro Ser Pro Gly Gly Asp Pro Asp
1 5 10 15
Gly Tyr Asp Gly
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<400> 78
Ala Gly Pro Pro Ser Pro Gly Gly Asp Pro Asp Gly Tyr Asp Gly Gly
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Asn Asn Ser Gln
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<400> 79
Pro Gly Gly Asp Pro Asp Gly Tyr Asp Gly Gly Asn Asn Ser Gln Tyr
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Pro Ser Ala Ser
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<210> 80
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<400> 80
Asp Gly Tyr Asp Gly Gly Met Asn Ser Gln Tyr Pro Ser Ala Ser Gly
1 5 10 15
Ser Ser Gly Asn
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<400> 81
Gly Asn Asn Ser Gln Tyr Pro Ser Ala Ser Gly Ser Ser Gly Asn Thr
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Pro Thr Pro Pro
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<400> 82
Tyr Pro Ser Ala Ser Gly Ser Ser Gly Asn Thr Pro Thr Pro Pro Met
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Asp Glu Glu Arg
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<400> 83
Gly Ser Ser Gly Asn Thr Pro Thr Pro Pro Asn Asp Glu Glu Arg Glu
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Ser Asn Glu Glu
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Thr Pro Thr Pro Asn Asp Glu Glu Arg Glu Ser Asn Glu Glu Pro
1 5 10 15
Pro Pro Pro Tyr
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<400> 85
Asn Asp Glu Glu Arg Glu Ser Asn Glu Glu Pro Pro Pro Pro Tyr Glu
1 5 10 15
Asp Pro Tyr Trp
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<400> 86
Arg Glu Ser Asn Glu Glu Pro Pro Pro Pro Tyr Glu Asp Tyr Trp Gly
1 5 10 15
Asn Gly Asp

<210> 87
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Glu Pro Pro Pro Tyr Glu Asp Pro Tyr Trp Gly Asn Gly Asp Arg
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His Ser Asp Tyr
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<210> 88
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<400> 88
Tyr Glu Asp Pro Tyr Trp Gly Asn Gly Asp Arg His Ser Asp Tyr Gln
1 5 10 15
Pro Leu Gly Thr
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<210> 89
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1 5 10 15
Asp Gln Ser Leu
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<210> 90
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<400> 90
Arg His Ser Asp Tyr Gln Pro Leu Gly Thr Gln Asp Gln Ser Leu Tyr
1 5 10 15
Leu Gly Leu Gln
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<210> 91
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<400> 91
Gln Pro Leu Gly Thr Gln Asp Gln Ser Leu Tyr Leu Gly Leu Gln His
1 5 10 15
Asp Gly Asn Asp
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<210> 92
<211> 20
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<400> 92
Gln Asp Gln Ser Leu Tyr Leu Gly Leu Gln His Asp Gly Asn Asp Gly
1 5 10 15
Leu Pro Pro Pro
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<210> 93
<211> 20
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<400> 93
Leu Gly Leu Gln His Asp Gly Asn Asp Gly Leu Pro Pro Pro Pro Tyr
1 5 10 15
Ser Pro Arg Asp
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<210> 94
<211> 20
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Asp Gly Asn Asp Gly Leu Pro Pro Pro Pro Tyr Ser Pro Arg Asp Asp
1 5 10 15
Ser Ser Gln His
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<210> 95
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<400> 95
Leu Pro Pro Pro Tyr Ser Pro Arg Asp Asp Ser Ser Gln His Ile
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Tyr Glu Glu Ala
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<210> 96
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<400> 96
Pro Pro Tyr Ser Pro Arg Asp Asp Ser Ser Gln His Ile Tyr Glu Glu
1 5 10 15
Ala Gly Arg Gly
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<210> 97
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<400> 97
Arg Asp Asp Ser Ser Gln His Ile Tyr Glu Glu Ala Gly Arg Gly Ser
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Met Asn Pro Val
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<210> 98
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<400> 98

Gln His Ile Tyr Glu Glu Ala Gly Arg Gly Ser Met Asn Pro Val Cys
1 5 10 15
Leu Pro Val Ile
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<210> 99

<211> 20

<212> PRT

<213> Epstein-Barr virus

<400> 99

Glu Ala Gly Arg Gly Ser Met Met Pro Val Cys Leu Pro Val Ile Val
1 5 10 15
Ala Pro Tyr Leu
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<210> 100

<211> 20

<212> PRT

<213> Epstein-Barr virus

<400> 100

Ser Met Asn Pro Val Cys Leu Pro Val Ile Val Ala Pro Tyr Leu Phe
1 5 10 15
Trp Leu Ala Ala
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<210> 101

<211> 20

<212> PRT

<213> Epstein-Barr virus

<400> 101

Cys Leu Pro Val Ile Val Ala Pro Tyr Leu Phe Trp Leu Ala Ala Ile
1 5 10 15
Ala Ala Ser Cys
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<210> 102

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<212> PRT

<213> Epstein-Barr virus

<400> 102

Val Ala Pro Tyr Leu Phe Trp Leu Ala Ala Ile Ala Ala Ser Cys Phe
1 5 10 15
Thr Ala Ser Val
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<210> 103

<211> 20

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<213> Epstein-Barr virus

<400> 103

Phe Trp Leu Ala Ala Ile Ala Ala Ser Cys Phe Thr Ala Ser Val Ser
1 5 10 15
Thr Val Val Thr
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<210> 104
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<400> 104
Ile Ala Ala Ser Cys Phe Thr Ala Ser Val Ser Thr Val Val Thr Ala
1 5 10 15
Thr Gly Leu Ala
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<210> 105
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<400> 105
Phe Thr Ala Ser Val Ser Thr Val Val Thr Ala Thr Gly Leu Ala Leu
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Ser Leu Leu Leu
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<210> 106
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<400> 106
Ser Thr Val Val Thr Ala Thr Gly Leu Ala Leu Ser Leu Leu Leu Leu
1 5 10 15
Ala Ala Val Ala
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<210> 107
<211> 20
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<213> Epstein-Barr virus

<400> 107
Ala Thr Gly Leu Ala Leu Ser Leu Leu Leu Leu Ala Ala Val Ala Ser
1 5 10 15
Ser Tyr Ala Ala
20

<210> 108
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 108
Leu Ser Leu Leu Leu Leu Ala Ala Val Ala Ser Ser Tyr Ala Ala Ala
1 5 10 15
Gln Arg Lys Leu
20

<210> 109
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 109
 Leu Ala Ala Val Ala Ser Ser Tyr Ala Ala Ala Gln Arg Lys Leu Leu
 1 5 10 15
 Thr Pro Val Thr
 20

<210> 110
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 110
 Ser Ser Tyr Ala Ala Ala Gln Arg Lys Leu Leu Thr Pro Val Thr Val
 1 5 10 15
 Leu Thr Ala Val
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<210> 111
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 111
 Ala Gln Arg Lys Leu Leu Thr Pro Val Thr Val Leu Thr Ala Val Val
 1 5 10 15
 Thr Phe Phe Ala
 20

<210> 112
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 112
 Leu Thr Pro Val Thr Val Leu Thr Ala Val Val Thr Phe Phe Ala Ile
 1 5 10 15
 Cys Leu Thr Trp
 20

<210> 113
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 113
 Val Leu Thr Ala Val Val Thr Phe Phe Ala Ile Cys Leu Thr Trp Arg
 1 5 10 15
 Ile Glu Asp Pro
 20

<210> 114
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 114
 Val Thr Phe Phe Ala Ile Cys Leu Thr Trp Arg Ile Glu Asp Pro Pro
 1 5 10 15
 Phe Asn Ser Leu
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<210> 115
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 115
Ile Cys Leu Thr Trp Arg Ile Glu Asp Pro Pro Phe Asn Ser Leu Leu
1 5 10 15
Phe Ala Leu Leu
20

<210> 116
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 116
Arg Ile Glu Asp Pro Pro Phe Asn Ser Leu Leu Phe Ala Leu Leu Ala
1 5 10 15
Ala Ala Gly Gly
20

<210> 117
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 117
Pro Phe Asn Ser Leu Leu Phe Ala Leu Leu Ala Ala Ala Gly Gly Leu
1 5 10 15
Gln Gly Ile Tyr
20

<210> 118
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 118
Leu Phe Ala Leu Leu Ala Ala Ala Gly Gly Leu Gln Gly Ile Tyr Val
1 5 10 15
Leu Val Met Leu
20

<210> 119
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 119
Ala Ala Ala Gly Gly Leu Gln Gly Ile Tyr Val Leu Val Met Leu Val
1 5 10 15
Leu Leu Ile Leu
20

<210> 120
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 120

Leu Gln Gly Ile Tyr Val Leu Val Met Leu Val Leu Leu Ile Leu Ala
 1 5 10 15
 Tyr Arg Arg Arg
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<210> 121
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 121
 Val Leu Val Met Leu Val Leu Leu Ile Leu Ala Tyr Arg Arg Arg Trp
 1 5 10 15
 Arg Arg Leu Thr
 20

<210> 122
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 122
 Val Leu Leu Ile Leu Ala Tyr Arg Arg Arg Trp Arg Arg Leu Thr Val
 1 5 10 15
 Cys Gly Gly Ile
 20

<210> 123
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 123
 Ala Tyr Arg Arg Arg Trp Arg Arg Leu Thr Val Cys Gly Gly Ile Met
 1 5 10 15
 Phe Leu Ala Cys
 20

<210> 124
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 124
 Trp Arg Arg Leu Thr Val Cys Gly Gly Ile Met Phe Leu Ala Cys Val
 1 5 10 15
 Leu Val Leu Ile
 20

<210> 125
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 125
 Val Cys Gly Gly Ile Met Phe Leu Ala Cys Val Leu Val Leu Ile Val
 1 5 10 15
 Asp Ala Val Leu
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<210> 126

<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 126
Met Phe Leu Ala Cys Val Leu Val Leu Ile Val Asp Ala Val Leu Gln
1 5 10 15
Leu Ser Pro Leu
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<210> 127
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 127
Val Leu Val Leu Ile Val Asp Ala Val Leu Gln Leu Ser Pro Leu Leu
1 5 10 15
Gly Ala Val Thr
20

<210> 128
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 128
Val Asp Ala Val Leu Gln Leu Ser Pro Leu Leu Gly Ala Val Thr Val
1 5 10 15
Val Ser Met Thr
20

<210> 129
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 129
Gln Leu Ser Pro Leu Leu Gly Ala Val Thr Val Val Ser Met Thr Leu
1 5 10 15
Leu Leu Leu Ala
20

<210> 130
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 130
Leu Gly Ala Val Thr Val Val Ser Met Thr Leu Leu Leu Leu Ala Phe
1 5 10 15
Val Leu Trp Leu
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<210> 131
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 131
Val Val Ser Met Thr Leu Leu Leu Leu Ala Phe Val Leu Trp Leu Ser

1 5 10 15
 Ser Pro Gly Gly
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 <210> 132
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

 <400> 132
 Leu Leu Leu Leu Ala Phe Val Leu Trp Leu Ser Ser Pro Gly Gly Leu
 1 5 10 15
 Gly Thr Leu Gly
 20

 <210> 133
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

 <400> 133
 Phe Val Leu Trp Leu Ser Ser Pro Gly Gly Leu Gly Thr Leu Gly Ala
 1 5 10 15
 Ala Leu Leu Thr
 20

 <210> 134
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

 <400> 134
 Ser Ser Pro Gly Gly Leu Gly Thr Leu Gly Ala Ala Leu Leu Thr Leu
 1 5 10 15
 Ala Ala Ala Leu
 20

 <210> 135
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

 <400> 135
 Leu Gly Thr Leu Gly Ala Ala Leu Leu Thr Leu Ala Ala Ala Leu Ala
 1 5 10 15
 Leu Leu Ala Ser
 20

 <210> 136
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

 <400> 136
 Ala Ala Leu Leu Thr Leu Ala Ala Ala Leu Ala Leu Leu Ala Ser Leu
 1 5 10 15
 Ile Leu Gly Thr
 20

 <210> 137
 <211> 20
 <212> PRT

<213> Epstein-Barr virus

<400> 137

Leu Ala Ala Ala Leu Ala Leu Leu Ala Ser Leu Ile Leu Gly Thr Leu
1 5 10 15
Asn Leu Thr Thr
20

<210> 138

<211> 20

<212> PRT

<213> Epstein-Barr virus

<400> 138

Ala Leu Leu Ala Ser Leu Ile Leu Gly Thr Leu Asn Leu Thr Thr Met
1 5 10 15
Phe Leu Leu Met
20

<210> 139

<211> 20

<212> PRT

<213> Epstein-Barr virus

<400> 139

Leu Ile Leu Gly Thr Leu Asn Leu Thr Thr Met Phe Leu Leu Met Leu
1 5 10 15
Leu Trp Thr Leu
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<210> 140

<211> 20

<212> PRT

<213> Epstein-Barr virus

<400> 140

Leu Asn Leu Thr Thr Met Phe Leu Leu Met Leu Leu Trp Thr Leu Val
1 5 10 15
Val Leu Leu Ile
20

<210> 141

<211> 20

<212> PRT

<213> Epstein-Barr virus

<400> 141

Met Phe Leu Leu Met Leu Leu Trp Thr Leu Val Val Leu Leu Ile Cys
1 5 10 15
Ser Ser Cys Ser
20

<210> 142

<211> 20

<212> PRT

<213> Epstein-Barr virus

<400> 142

Leu Leu Trp Thr Leu Val Val Leu Leu Ile Cys Ser Ser Cys Ser Ser
1 5 10 15
Cys Pro Leu Ser

20

<210> 143
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 143
Val Val Leu Leu Ile Cys Ser Ser Cys Ser Ser Cys Pro Leu Ser Lys
1 5 10 15
Ile Leu Leu Ala
20

<210> 144
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 144
Cys Ser Ser Cys Ser Ser Cys Pro Leu Ser Lys Ile Leu Leu Ala Arg
1 5 10 15
Leu Phe Leu Tyr
20

<210> 145
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 145
Ser Cys Pro Leu Ser Lys Ile Leu Leu Ala Arg Leu Phe Leu Tyr Ala
1 5 10 15
Leu Ala Leu Leu
20

<210> 146
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 146
Lys Ile Leu Leu Ala Arg Leu Phe Leu Tyr Ala Leu Ala Leu Leu Leu
1 5 10 15
Leu Ala Ser Ala
20

<210> 147
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 147
Arg Leu Phe Leu Tyr Ala Leu Ala Leu Leu Leu Leu Ala Ser Ala Leu
1 5 10 15
Ile Ala Gly Gly
20

<210> 148
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 148
 Ala Leu Ala Leu Leu Leu Ala Ser Ala Leu Ile Ala Gly Gly Ser
 1 5 10 15
 Ile Leu Gln Thr
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<210> 149
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 149
 Leu Leu Ala Ser Ala Leu Ile Ala Gly Gly Ser Ile Leu Gln Thr Asn
 1 5 10 15
 Phe Lys Ser Leu
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<210> 150
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 150
 Leu Ile Ala Gly Gly Ser Ile Leu Gln Thr Asn Phe Lys Ser Leu Ser
 1 5 10 15
 Ser Thr Glu Phe
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<210> 151
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 151
 Ser Ile Leu Gln Thr Asn Phe Lys Ser Leu Ser Ser Thr Glu Phe Ile
 1 5 10 15
 Pro Asn Leu Phe
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<210> 152
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 152
 Asn Phe Lys Ser Leu Ser Ser Thr Glu Phe Ile Pro Asn Leu Phe Cys
 1 5 10 15
 Met Leu Leu Leu
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<210> 153
 <211> 20
 <212> PRT
 <213> Epstein-Barr virus

<400> 153
 Ser Ser Thr Glu Phe Ile Pro Asn Leu Phe Cys Met Leu Leu Leu Ile
 1 5 10 15
 Val Ala Gly Ile

20

<210> 154
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 154
Ile Pro Asn Leu Phe Cys Met Leu Leu Leu Ile Val Ala Gly Ile Leu
1 5 10 15
Phe Ile Leu Ala
20

<210> 155
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 155
Cys Met Leu Leu Leu Ile Val Ala Gly Ile Leu Phe Ile Leu Ala Ile
1 5 10 15
Leu Thr Glu Trp
20

<210> 156
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 156
Ile Val Ala Gly Ile Leu Phe Ile Leu Ala Ile Leu Thr Glu Trp Gly
1 5 10 15
Ser Gly Asn Arg
20

<210> 157
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 157
Leu Phe Ile Leu Ala Ile Leu Thr Glu Trp Gly Ser Gly Asn Arg Thr
1 5 10 15
Tyr Gly Pro Val
20

<210> 158
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 158
Ile Leu Thr Glu Trp Gly Ser Gly Asn Arg Thr Tyr Gly Pro Val Phe
1 5 10 15
Met Cys Leu Gly
20

<210> 159
<211> 20
<212> PRT

20

<210> 165
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 165
Ser Ala Trp Ile Leu Thr Ala Gly Phe Leu Ile Phe Leu Ile Gly Phe
1 5 10 15
Ala Leu Phe Gly
20

<210> 166
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 166
Thr Ala Gly Phe Leu Ile Phe Leu Ile Gly Phe Ala Leu Phe Gly Val
1 5 10 15
Ile Arg Cys Cys
20

<210> 167
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 167
Ile Phe Leu Ile Gly Phe Ala Leu Phe Gly Val Ile Arg Cys Cys Arg
1 5 10 15
Tyr Cys Cys Tyr
20

<210> 168
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 168
Phe Ala Leu Phe Gly Val Ile Arg Cys Cys Arg Tyr Cys Cys Tyr Tyr
1 5 10 15
Cys Leu Thr Leu
20

<210> 169
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 169
Val Ile Arg Cys Cys Arg Tyr Cys Cys Tyr Tyr Cys Leu Thr Leu Glu
1 5 10 15
Ser Glu Glu Arg
20

<210> 170
<211> 20
<212> PRT
<213> Epstein-Barr virus

<400> 170

Arg Tyr Cys Cys Tyr Tyr Cys Leu Thr Leu Glu Ser Glu Glu Arg Pro
1 5 10 15
Pro Thr Pro Tyr
20

<210> 171

<211> 20

<212> PRT

<213> Epstein-Barr virus

<400> 171

Tyr Tyr Cys Leu Thr Leu Glu Ser Glu Glu Arg Pro Pro Thr Pro Tyr
1 5 10 15
Arg Asn Thr Val
20